

**REMARKS**

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Final Office Action dated March 22, 2007 has been received and its contents carefully reviewed.

Claim 5 is hereby amended. Claim 20 was previously cancelled. Accordingly, claims 1-19 and 21-23 are pending. Claims 1-4 and 23 are withdrawn from consideration. Accordingly, claims 5-19, 21 and 22 are examined.

Claims 18, 19, 21 and 22 are allowed. Applicant thanks the Examiner for the indication that these claims are allowed. Reexamination and reconsideration of the rejected claims are respectfully requested.

In the Office Action, claims 5-7 and 9 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Publication No. 2002/0071065 to Lee (hereinafter "Lee") in view of U.S. Publication No. 2002/0074549 to Park et al. (hereinafter "Park"). Claim 8 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Park and in further view of U.S. Patent No. 5,510,918 to Matsunaga et al. (hereinafter "Matsunaga"). Claims 10, 11, 13 and 14 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Park and in further view of U.S. Patent Publication No. 2001/0035527 to Tanaka et al. (hereinafter "Tanaka"). Claim 12 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Park and Tanaka, and further in view of U.S. Patent No. 5,135,608 to Okutani (hereinafter "Okutani"). Claims 15 and 16 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Park and Tanaka, and further in view of U.S. Patent No. 6,621,537 to Nakamura et al. (hereinafter "Nakamura"). Claim 17 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee in view of Park and in further view of U.S. Patent No. 6,169,592 to Choi (hereinafter "Choi").

The rejection of claims 5-7 and 9 as being unpatentable over Lee in view of Park is respectfully traversed and reconsideration is requested.

Claim 5 is allowable over Lee in view of Park in that claim 5 recites a combination of elements including, for example “the data pad terminal directly contacting and extending below a seal pattern between the substrate and an opposing substrate.” See, for example, Fig. 4 of the present invention. None of the cited references, singly or in combination, teaches or suggests at least these features of the claimed invention. Applicant agrees with the Examiner’s statement on page 3 of the last Office Action that Lee fails to disclose forming a data pad terminal contacting the data pad.

Applicant respectfully submits Park fails to cure the deficiencies of Lee. Park does not disclose that the data pad terminal “directly” contacts and extends “below a seal pattern between the substrate and an opposing substrate.” See, for example, Fig. 4. As shown, supplemental data pad 86 does not contact or extend below a seal. Because the cited references fail to teach or suggest the features of claim 5, Applicant respectfully submits that claim 5 and claims 6, 7 and 9, which depend therefrom, are allowable over Lee in view of Park.

The rejection of claim 8 as being unpatentable over Lee in view of Park and in further view of Matsunaga is respectfully traversed and reconsideration is requested.

Applicant respectfully submits that Matsunaga fails to cure the aforementioned defects associated with the teachings of Lee in view of Park. None of the cited references, singly or in combination, teaches or suggests “the data pad terminal directly contacting and extending below a seal pattern between the substrate and an opposing substrate,” as recited in independent claim 5. For at least this reason, claim 8, which depends from claim 5, is allowable over the cited references.

The rejection of claims 10, 11, 13 and 14 as being unpatentable over Lee in view of Park and in further view of Tanaka is respectfully traversed and reconsideration is requested.

Applicant respectfully submits that Tanaka fails to cure the aforementioned defects associated with the teachings of Lee in view of Park. None of the cited references, singly or in combination, teaches or suggests “the data pad terminal directly contacting and extending below a seal pattern between the substrate and an opposing substrate,” as recited in independent claim

5. For at least this reason, claims 10, 11, 13 and 14, which depend from claim 5, are allowable over the cited references.

The rejection of claim 12 as being unpatentable over Lee in view of Park and Tanaka, and further in view of Okutani is respectfully traversed and reconsideration is requested.

Applicant respectfully submits that Okutani fails to cure the aforementioned defects associated with the combined teachings of Lee in view of Park and Tanaka. None of the cited references, singly or in combination, teaches or suggests “the data pad terminal directly contacting and extending below a seal pattern between the substrate and an opposing substrate,” as recited in independent claim 5. For at least these reasons, claim 12, which depends from claim 5, is allowable over the cited references.

The rejection of claims 15 and 16 as being unpatentable over Lee in view of Park and Tanaka, and further in view of Nakamura is respectfully traversed and reconsideration is requested.

Applicant respectfully submits that Nakamura fails to cure the aforementioned defects associated with the combined teachings of Lee in view of Park and Tanaka. None of the cited references, singly or in combination, teaches or suggests “the data pad terminal directly contacting and extending below a seal pattern between the substrate and an opposing substrate,” as recited in independent claim 5. For at least these reasons, claims 15 and 16, which depends from claim 5, are allowable over the cited references.

The rejection of claim 17 as being unpatentable over Lee in view of Park and in further view of Choi is respectfully traversed and reconsideration is requested.

Applicant respectfully submits that Choi fails to cure the aforementioned defects associated with the teachings of Lee in view of Park. None of the cited references, singly or in combination, teaches or suggests “the data pad terminal directly contacting and extending below a seal pattern between the substrate and an opposing substrate,” as recited in independent claim 5. For at least this reason, claim 17, which depends from claim 5, is allowable over the cited references.

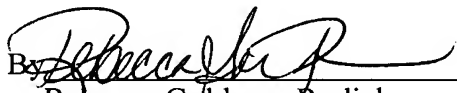
Applicants believe the foregoing amendments and remarks place the application in condition for allowance and early, favorable action is respectfully solicited.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. § 1.136, and any additional fees required under 37 C.F.R. § 1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. *A duplicate copy of this sheet is enclosed.*

Respectfully submitted,

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